

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is the main reason for using high mileage oil in vehicles?
  - A. To improve fuel efficiency
  - B. For vehicles with over 75,000 miles
  - C. To enhance engine sound
  - D. For brand new vehicles
  
2. What is a characteristic of satisfactory engine oil?
  - A. Seals piston rings
  - B. Provides dry friction between moving parts
  - C. Cools engine parts
  - D. Reduces friction
  
3. What is the recommended oil change interval for most vehicles?
  - A. Every 1,000 miles
  - B. Every 5,000 miles or six months
  - C. Every 10,000 miles
  - D. Once a year
  
4. What is the significance of an oil's pour point?
  - A. The highest temperature at which it will pour
  - B. The average temperature at which it will pour
  - C. The lowest temperature at which it will pour
  - D. The temperature at which it solidifies
  
5. What is the main difference between synthetic and conventional engine oils?
  - A. Color
  - B. Smell
  - C. Chemical composition
  - D. Viscosity
  
6. What does the viscosity grade of an engine oil indicate?
  - A. Its color
  - B. Its acidity
  - C. Its smell
  - D. Its thickness
  
7. What is the primary function of esters added to high mileage oils?
  - A. To improve color
  - B. To increase volume
  - C. To enhance smell
  - D. To swell oil seals

8. What is the main benefit of thinner engine oil?

- A. Improved cold engine starting
- B. Improved protection at higher temperatures
- C. Increased oil pressure
- D. Enhanced engine sound

9. What is the main benefit of thicker engine oil?

- A. Improved cold engine starting
- B. Improved protection at higher temperatures
- C. Increased oil pressure
- D. Enhanced engine sound

10. What is the main reason for the bypass valve in a spin-on oil filter?

- A. To increase oil flow
- B. To decrease oil pressure
- C. To lubricate the engine in case of a clogged filter
- D. To improve filtration

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Chapter 19

Multiple Choice Quiz B

Answer Key

1. B

2. A

3. B

4. C

5. C

6. D

7. D

8. A

9. B

10. C